

The study of the system "van Vleck paramagnet PrF₃-Helium- 3"

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Abstract

Present paper is the result of experimental investigations of the system "Van Vleck paramagnet PrF₃ - liquid ³He", where earlier cross-relaxation effect between liquid ³He nuclei and ¹⁴¹Pr nuclei was discovered. We report on ¹⁴¹Pr spin kinetics in Van Vleck paramagnet crystal powders PrF₃ with different paramagnet impurities. All experiments have been made by pulse NMR methods at temperature 1.5 K. © 2009 IOP Publishing Ltd.

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